

Mr. Michael T. Davis Pre-Calculus	2.5 Simplifying Rational Expressions with Mult & Div (1) December 7-8, 2015
Name:	

1. Simplify $\frac{10x+5}{5}$

2. Simplify $\frac{10x+5}{15}$

3. Simplify $\frac{9x^2-4}{3x-2}$

4. Simplify $\frac{x-5}{5-x}$

5. Simplify $\frac{x^2-16}{x^2-8x+16}$

6. Simplify $\frac{x^3-8}{x-2}$

7. Simplify $\frac{3x+4}{x-5} \times \frac{x+5}{3x+4}$

8. Simplify $\frac{x^2+5x-14}{x^2-7x+10} \times \frac{x^2-2x-15}{x^2+10x+21}$

9. Simplify $\frac{x^2-16}{x^2-13x+40} \div \frac{x^2+8x+16}{x^2-x-20}$

10. State all restrictions on x $\frac{x^2+8x+16}{x+5}$

11. State all restrictions on x $\frac{x^2-49}{4x^2-25}$